



# Recombinant Human Dual specificity protein phosphatase 13 (DUSP13)

<b>Product Code</b>	CSB-MP883436HU
<b>Abbreviation</b>	DUSP13
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UII6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDSLQKQDLR RPKIHGAVQA SPYQPPTLAS LQRLLWVRQA ATLNHIDEVW PSLFLGDAYA ARDKSKLIQL GITHVVNAAA GKFQVDTGAK FYRGMSLEY GIEADDNPFF DLSVYFLPVA RYIRAALSVP QGRVLVHCAM GVSRSATLVL AFLMICENMT LVEAIQTVQA HRNICPNSGF LRQLQVLDNR LGRETGRF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	DUSP13
<b>Protein Names</b>	Recommended name: Dual specificity protein phosphatase 13 EC= 3.1.3.16 EC= 3.1.3.48 Alternative name(s): Dual specificity phosphatase SKRP4 Testis- and skeletal-muscle-specific DSP
<b>Expression Region</b>	1-198
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	Members of the protein-tyrosine phosphatase superfamily cooperate with protein kinases to regulate cell proliferation and differentiation. This superfamily is separated into two families based on the substrate that is dephosphorylated. One family, the dual specificity phosphatases (DSPs) acts on both phosphotyrosine and phosphoserine/threonine residues. This gene encodes different but related DSP proteins through the use of non-overlapping open reading frames, alternate splicing, and presumed different transcription promoters. Expression of the distinct proteins from this gene has been found to be tissue specific and the proteins may be involved in postnatal development of specific tissues. A protein encoded by the upstream ORF was found in skeletal muscle, whereas the encoded protein from the downstream ORF was found only in testis. In mouse, a similar pattern of expression was found. Multiple alternatively spliced transcript variants were described, but the full-length



sequence of only some were determined.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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